

iPECS Port Number Usage (iPECS eMG80)

Module	Purpose	Port	Protocol	
KSU (MBUA, MBUI)	IPKTS Protocol (Unicast)	5588	UDP	
	IPKTS Protocol (Multicast - IP 239.20.19.50)	6254	UDP	
	MOH / PAGING (Multicast - IP 239.20.19.XX) <small>Note1</small>	8100 - 8171 8700 - 8701	UDP	
	H.323: Incoming Server	1720	TCP	
	H.323: Q.931 Outgoing/H.245 Control	2048 - 3071	TCP	Changeable <small>Note2</small>
	H.323: Gatekeeper Registration	2048 - 3071	UDP	Changeable <small>Note2</small>
	Audio Channels - P1 (RTP/RTCP)	7000 - 7015	UDP	Changeable <small>Note2</small>
	Video Channels - P1 (RTP/RTCP)	7016 - 7031	UDP	Changeable <small>Note2</small>
	Audio Channels - P2 (RTP/RTCP)	7100 - 7115	UDP	Changeable <small>Note2</small>
	Video Channels - P2 (RTP/RTCP)	7116 - 7131	UDP	Changeable <small>Note2</small>
	Audio Channels - H.323 (RTP/RTCP)	7300 - 7315	UDP	Changeable <small>Note2</small>
	Video Channels - H.323 (RTP/RTCP)	7316 - 7331	UDP	Changeable <small>Note2</small>
	T.38 Fax Relay	7332 -7347	UDP	Changeable <small>Note2</small>
	TCP Maintenance	5003	TCP	
	HTTPS Server	443	TCP	
	HTTP Server	80	TCP	
	TFTP Server	69	UDP	
	FTP Server	21	TCP	
	FTP Server (Passive Mode)	9700~9708	TCP	
	SIP Protocol	5060	UDP	

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VVMU	H.323: Incoming Server	1720	TCP	
	H.323: Q.931 Outgoing/H.245 Control	2048 - 3071 <small>Note2</small>	TCP	Changeable <small>Note2</small>
	H.323: Gatekeeper Registration	2048 - 3071 <small>Note2</small>	UDP	Changeable <small>Note2</small>
	Audio Channels - P1 (RTP/RTCP)	6000 - 6015	UDP	Changeable <small>Note2</small>
	Video Channels - P1 (RTP/RTCP)	6016 - 6031	UDP	Changeable <small>Note2</small>
	Audio Channels - P2 (RTP/RTCP)	8000 - 8015	UDP	Changeable <small>Note2</small>
	Video Channels - P2 (RTP/RTCP)	8016 - 8031	UDP	Changeable <small>Note2</small>
	Audio Channels - H.323/SIP (RTP/RTCP)	9000 - 9015	UDP	Changeable <small>Note2</small>
	Video Channels - H.323/SIP (RTP/RTCP)	9016 - 9031	UDP	Changeable <small>Note2</small>
	T.38 Fax Relay	9200 - 9215	UDP	Changeable <small>Note2</small>
	Data Forwarding (for VideoPhone Application Sha	8500 - 8547	TCP	Changeable <small>Note2</small>
	TCP Maintenance	5003	TCP	Changeable <small>Note2</small>
	HTTP Server	80	TCP	Changeable <small>Note2</small>

Note1) XX is changed from the different port number, that can be changed in PGM 165(Multicast RTP/RTCP Port Setting).

Note2) Refer to Management of Ports Range

Management of Ports Range

1. Print Current Usage of Ports Range at Maintenance Mode

VVMU rev: 1.0Ba, Nov 11 2013

DATE: 12/02/13

TIME: 09:57:17

ENTER PASSWORD: ****

maint> rp info

```
-----  
0 6000 6016 8000 8016 9000 9016 9200 50016 50000  
1 6002 6018 8002 8018 9002 9018 9202 50018 50002  
2 6004 6020 8004 8020 9004 9020 9204 50020 50004  
3 6006 6022 8006 8022 9006 9022 9206 50022 50006  
-----  
4 6008 6024 8008 8024 9008 9024 9208 50024 50008  
5 6010 6026 8010 8026 9010 9026 9210 50026 50010  
6 6012 6028 8012 8028 9012 9028 9212 50028 50012  
7 6014 6030 8014 8030 9014 9030 9214 50030 50014
```

2. Change Ports Range at Maintenance Mode

After change one of port range, the system should be restarted to be it applied.

2-1) Change H.323 Ports (command: proxy h323ports *start-port-number*)

The range is computed automatically with its max. channel number.

2-2) Change Data Sharing Ports (command: proxy dataports *start-port-number*)

The range is computed automatically with its max. channel number.

2-2) Change Media Stream (RTP/RTCP) Ports (command: proxy rtpports *start-port-number*)

The range is computed automatically with its max. channel number.

3. Check of Changed Ports Range

Use command "proxy get" and check of red box at below picture.

maint> proxy rtpports 10000

maint> proxy get

signal proxy info:

sip proxy mode=client

sip proxy ip=0.0.0.0

q931 ports: 2048..2559

h245 ports: 2560..3071

ras ports: 2048..3071

data ports: 8500..8515

rtp ports: P1 10000..10031

P2 10032..10063

SIG 10064..10095

T38 10096..10111

gateway prefix: 9

h323 proxy mode: client

h323 proxy ip: 0.0.0.0

media proxy info:

proxy mode=client

proxy ip=0.0.0.0

media client=10.10.10.10:10000..10111